

ABSTRACT

A white projection screen containing a small number of infrared retro reflective elements, uniformly distributed over the screen's surface, is illuminated by an infrared source and observed by a coaxially located infrared camera. A matte signal is generated utilizing a high signal level from the infrared camera in all unobscured areas on the screen, and a very low signal level in screen areas obscured by a presenter between a projector and the projection screen.